AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claims 1 to 18. (Canceled).

19. (Previously Presented) A method for providing a communication path to a mobile telephony network so that a telecommunication connection is set up between a telecommunication terminal designed to be used in a mobile telephony network and a distant terminal, comprising:

utilizing at least one of a radio communication (radio path) and a connection that includes the Internet (Internet connecting path) as a connecting path between the telecommunication terminal and access and switching units of the mobile telephony network, by one of automatically initiated and initiated by a user of the telecommunication terminal, the access and switching units and the telecommunication terminal treating the Internet connecting path like another radio cell of the mobile telephony network with respect to sequences that are connected to an activation of the telecommunication terminal and its respective one of check-in and booking into the mobile telephony network and also as they relate to the switchover of the connecting path between radio path and Internet path or vice versa implemented in a changeover or a handover.

20. (Previously Presented) The method as recited in claim 19, wherein the Internet connecting path is set up via an Internet access unit, which is able to be networked with the telecommunication terminal in a Local Area Network, and one of the access and switching units of the mobile telephony network is addressed by the telecommunication terminal via the Internet access unit and the Internet by means of an internet protocol address, the Local Area Network connection of the telecommunication terminal to the Internet access unit being set up in a conventional fashion, in a wirebound manner, via one of radio, wireless Local Area Network, optics, and infrared transmission.

21. (Previously Presented) The method as recited in claim 19, wherein the Internet connecting path is routed to a mobile switching unit.

22. (Previously Presented) The method as recited in claim 20, wherein, if appropriate, an Internet connecting path existing to an access and switching unit of the mobile telephony network is temporarily routed to a geographically more conveniently located access and switching unit, the internet protocol address stored in the telecommunication terminal during configuration of the system being temporarily modified by the particular access and switching unit.

23. (Previously Presented) The method as recited in claim 20, wherein, prior to a communication set-up to one of the access and switching units of the mobile telephony network, a query is made at a server under transmission of information regarding the actual radio area of the telecommunication terminal, as a result of which the server transmits to the telecommunication terminal the internet protocol address of an access and switching unit of the mobile telephony network to be addressed.

24. (Previously Presented) The method as recited in claim 20, wherein, if telecommunication connections are set up utilizing the Internet connecting path, the access and switching units of the mobile telephony network change the rate structure for these telecommunication connections.

25. (Previously Presented) The method as recited in claim 19, wherein, as it regards the telecommunication terminal, the method allows incoming and outgoing communications to be set up utilizing the Internet connecting path, the Internet with the instantaneous Internet protocol address and possibly additional address data regarding the telecommunication terminal being stored as location information for the incoming connections in a location register of the access and switching units of the mobile telephony network.

26. (Previously Presented) The method as recited in claim 24, wherein the Internet address and the number of the ports used for the communication by means of an Internet protocol are continuously updated by a cyclical data exchange.

27. (Previously Presented) The method as recited in claim 19, wherein, if in an existing Internet connection quality parameters established for this connection are not attained or an interruption occurs, an automatic switching of the connection to the radio path of the mobile telephony network takes place in that the connection is switched to a radio base station of the

mobile telephony network and is routed to the mobile switching unit by means of a transmit/receive station of the radio base station assigned to the radio cell corresponding to the location of the telecommunication device, and by means of the associated central control device, and the location register is updated accordingly.

28. (Previously Presented) A system for implementing a method for providing a communication path to a mobile telephony network according to which, to set up a telecommunication connection between a telecommunication terminal designed to be used in a mobile telephony network and a distant terminal, a radio communication or a connection that includes the Internet is utilized as connecting path between the telecommunication terminal and the access and switching units of the mobile telephony network, by at least one of optionally, automatically, and initiated by a user of the telecommunication terminal, the access and switching units and the telecommunication terminal treating the Internet connecting path like another radio cell of the mobile telephony network as far as the sequences are concerned that are connected to the activation of the telecommunication terminal and its check-in or booking into the mobile telephony network and also as they relate to the switchover of the connecting path between radio path and Internet path or vice versa implemented in a changeover or a handover, comprising:

a telecommunication terminal provided for use in a mobile telephony network;

an Internet access unit able to be networked with the telecommunication terminal in a Local Area Network; and

an access and switching unit of the mobile telephony network, which is Internet protocol-addressable via the Internet and integrated in the infrastructure of a mobile telephony network in which the mobile telecommunication terminal is able to be used.

29. (Previously Presented) The system as recited in claim 28, wherein the telecommunication terminal is a transmission control system having a functional unit for mobile telephony communication.

30. (Previously Presented) The system as recited in claim 29, wherein the transmission control system has a chip-card reader for reading chip cards of a mobile telephony operator.

31. (Previously Presented) The system as recited in claim 29, wherein the transmission control system is DSL-enabled.

32. (Previously Presented) The system as recited in claim 28, wherein, if appropriate, includes a device for signaling a user of the telecommunication terminal that a less expensive connection than the radio connecting path is available if the Internet connecting path is utilized.

33. (Previously Presented) A telecommunication terminal for implementing a method for providing a communication path to a mobile telephony network according to which, to set up a telecommunication connection between a telecommunication terminal designed to be used in a mobile telephony network and a distant terminal, a radio communication (radio path) or a connection that includes the Internet (Internet connecting path) is utilized as connecting path between the telecommunication terminal and the access and switching units of the mobile telephony network, by one of optionally, automatically, and initiated by a user of the telecommunication terminal, the access and switching units and the telecommunication terminal treating the Internet connecting path like another radio cell of the mobile telephony network as far as the sequences are concerned that are connected to the activation of the telecommunication terminal and its check-in or booking into the mobile telephony network and also as they relate to the switchover of the connecting path between radio path and Internet path or vice versa implemented in a changeover or a handover, comprising:

a mobile telephone having functional units for operation in a mobile telephony network and a control unit with a memory and means for integrating the device in a Local Area Network, the control unit controlling the switch between different operating modes with respect to at least one of an exclusively mobile-telephony-based or an at least partially Internet-based telecommunication, wherein in Internet operation, Local Area Network-based data exchange occurs with an Internet access unit.

34. (Previously Presented) The telecommunication terminal as recited in claim 33, wherein the means for integration in the Local Area Network is a unit for at least one of the wireless-based connection to the Local Area Network and the radio-based connection to the Local Area Network.

35. (Previously Presented) The telecommunication terminal as recited in claim 33, wherein the means for integration into the Local Area Network is a unit for the optical in-coupling into the Local Area Network.

36. (Previously Presented) A telecommunication terminal for implementing a method for providing a communication path to a mobile telephony network according to which, to set up a telecommunication connection between a telecommunication terminal designed to be used in a mobile telephony network and a distant terminal, a radio communication or a connection that includes the Internet is utilized as connecting path between the telecommunication terminal and the access and switching units of the mobile telephony network, by one of optionally, automatically, and initiated by a user of the telecommunication terminal, the access and switching units and the telecommunication terminal treating the Internet connecting path like another radio cell of the mobile telephony network as far as the sequences are concerned that are connected to the activation of the telecommunication terminal and its check-in or booking into the mobile telephony network and also as they relate to the switchover of the connecting path between radio path and Internet path or vice versa implemented in a changeover or a handover, comprising:

a laptop having a network card for one of a wire-bound and a wireless connection to a Local Area Network, a soundcard, a headset for voice communication, and a chip-card reader for reading chip cards of a mobile telephony operator, wherein the laptop is designed at least to utilize the mobile telephony network while establishing a connection routed via the Internet.

37. (Previously Presented) The system as recited in claim 28, wherein the telecommunication terminal is a transmission control system having a functional unit for mobile telephony communication, the transmission control system has a chip-card reader for reading chip cards of a mobile telephony operator, and includes a device for signaling a user of the telecommunication terminal that a less expensive connection than the radio connecting path is available if the Internet connecting path is utilized, and the transmission control system is DSL-enabled.